

Work Order ID 118392

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118392 ** SEE W/O 162670* Page 1

Item ID: 647.1302 Accept ***N900040100*** Setup Start ***NS1***
Revision ID:
Item Name: EC145 Cable Cutter Removable Provisions Stop ***NS2***
Start Date: 8/01/14 Start Qty: 2.00 *?
Required Date: 8/01/14 Req'd Qty: 2.00 *?
Reference: REWORK PER ECN14-604 Cust Item ID:
Customer:

Approvals: Process Plan: *[Signature]* Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
647.1300	C (ECN2)								

100 Document Control 0.00
100 DOCUMENT CONTROL
DC Memo 0.00
Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP 647.1302

110 Pick Kit 0.00

110 Memo 0.00

Packaging
Packaging ULL FROM STOCK:
1 X 647.1302 B104768
1 X 647.1302 B91810

REWORK PER ECN14-604
ADD TO EACH KIT:
4 X 647.0112 B *140968 X4*
159844 X4

2 *DAS 8-09*
DAS 28 9-09
MAR 23 2016

Picklist Print

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Work Order ID: 118392

118392

Parent Item: 647.1302

647 1302

Parent Item Name: EC145 Cable Cutter Removable Provisions

Start Date: 8/01/14

Required Date: 8/01/14

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 12.10.05 NEW ISSUE DD VERF:JLM IPP
REV:B 13.07.17 AS PER REV B JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.0112		Manufactured	No				Each	3.0000		8			
647 0112													
Strut Bracket													
				<u>Location</u>				<u>Loc Qty</u>					
				CK106				3					
					110036			2					
					91264			1					
647.1302		Manufactured	No				Each	0.0000		2			

647 1302

EC145 Cable Cutter Removable Provisions

**

JUN 07 2017

Loc Code

4x140968
4x159844x2

DAS
28
9-89

DAS
28
9-89

MAR 23 20

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101106 162670

DAS
28
9-89

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 14.07.31	Job No.:	ADR Yes/No:	ADR Date:	ECN #: 14- 604
Product No.: 145-21, 206-21	Created By: KJ	Approved By: <i>[Signature]</i>		
Product Name: Cable Cutters	Checked By: <i>[Signature]</i>			

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	
Production Manager / Coord.	Y	LL/MF	
Purchasing Coord.	N	MG/CL	
Production Engineering Coord.	Y	DD/JLM	<i>[Signature]</i> 14.07.31
Production Engineering Coord.	N	DL	
Customer Order Processing	N	RM/CC	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS	
QC Coordinator	Y	ED	
Customer Support	N	SW/LM	
Customer Technical Support	N	MB/HS	
Marketing Manager	N	KO	
Sales Support Manager	N	NM	

Reason for Change:
Added dimension and tolerance (646.9700), revised BOM (647.1300)

Documents Affected:
Release 646.9700 Rev C1, 647.1300 Rev C2

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: _____

PAPERWORK UPDATE ☐ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	N			
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	N			
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	N			
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	N			
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

Update BOM's and Routes per drawing revisions

add 647.0112

ECN Verified & Complete: _____ Date: _____

List Lots

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Criteria : Item ID: '647.1301', '647.1302' All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
647.1301 EC145 Cable Cutters	Main Warehouse FG109	104841	7/04/14	1.0000		QC21		118391
			Total:	1.0000				
647.1302 EC145 Cable Cutter Removable Provisions	Main Warehouse FG102	104768	7/04/14	1.0000		QC21		
	Main Warehouse FG102	91810	7/04/14	1.0000		qc21		118392
			Total:	2.0000				

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04485			SHEET 1 OF 1	
	DWG NO. 647.1300	REV: C	PREPARED BY J. SOTO	DATE: 04/04/2014	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: EC 145 CABLE CUTTERS KIT				
	APPROVED BY: ENGR. <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 62.				ECR: D-14-02

62	R	601.3008	2	2	2	2	INSERT	NAS1834C3-300	
F/N	TC	PART NUMBER	1306	1304	1303	1301	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY						

DOCUMENTS EFFECTED: ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM

CHANGE CATEGORY: ☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED: ☐ YES ☒ NO

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THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES
- 2 APPLY F/N 74 TO FAYING SURFACES
- 3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1
- 4 INSTALL FOR 647.1301, 647.1302.
- 5 INSTALL FOR 647.1304, 647.1305.
- 6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.
- 7 APPLICABLE WHEN REPLACING EUROCOPTER P/N 145-250074.11

UNINCORPORATED ECN(S)

04485, 04592

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
LAST PROJECT REVISION: PRE			NYC
NYC	INITIAL RELEASE	08/05/07	P. BRAVO
A	INCORPORATED ECN 0743, 0702, 0248	01/25/11	P. BRAVO
B	INCORPORATED ECN 0319	07/25/12	P. BRAVO
C	INCORPORATED ECN 0409	08/12/13	P. BRAVO

13		13	13		13	26	647.1812	SHIM		
4		4	4		4	25	647.1910	CLIP		
1		1	1		1	24	647.1810	NOSE DOOR DOUBLER		
1		1	1		1	23	647.1818	NOSE DOOR SPACER		
2		2	2		2	22	647.1813	ANGLE		
1		1	1		1	21	647.1913	TEE		
1		1	1		1	20	647.1814	GUSSET, LH		
1		1	1		1	19	647.1815	GUSSET, RH		
1		1	1		1	18	647.1915	SUPPORT ANGLE		
	2	2		2	2	17	647.2011	LOWER STRUT		
1		1	1		1	16	647.1914	BRACKET		
1		1	1		1	15	647.1816	SUPPORT, LH		
1		1	1		1	14	647.1817	SUPPORT, RH		
1		1	1		1	13	647.1912	BRACKET, LH		
1		1	1		1	12	647.1911	BRACKET, RH		
4		4	4	4	8	11	647.0112	STRUT BRACKET		
				1	1	10	647.2110	LOWER RAIL		
					1	9	647.2111	UPPER RAIL		
1		1	1		1	8	647.1610	WIPER DEFLECTOR, FWD		
1		1	1		1	7	647.1601	WIPER DEFLECTOR ASSY, AFT		
				2	2	6	647.1701	SKID DEFLECTOR ASSY		
1		1	1		1	5	647.3201	GROUNDING CABLE ASSY		
1		1	1		1	4	647.2201	CROSS ASSY		
1		1	1		1	3	647.1602	DOUBLER ASSY		
	1	1			1	2	647.1402	CUTTER ASSY (LOWER)		
					1	1	647.1401	CUTTER ASSY (UPPER)		
							647.1306	FIXED PROVISIONS KIT U CHANNEL		
							647.1305	REMOVABLE PROVISIONS KIT U CHANNEL		
							647.1304	EC145 CABLE CUTTERS KIT L CHANNEL COMPATIBLE		
							647.1303	FIXED PROVISIONS KIT		
							647.1302	REMOVABLE PROVISIONS KIT		
							647.1301	EC145 CABLE CUTTERS KIT		
.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table(Restructured)

QTY		PARTS LIST	
NEXT ASSY (S)		APICAL INDUSTRIES	
		2608 TEMPLE HEIGHTS DR.	
		OCEANSIDE, CA. 92056-3512 (760)724-5300	
		EC145 CABLE CUTTERS KIT	
		REV. 07/26	647.1300
		SCALE: NONE	SHEET 1 OF 9